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Sequence Listing was accepted.

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217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: Wed Nov 14 14:45:15 EST 2007

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Application No: 10567980 Version No: 2.0

Input Set:**Output Set:**

Started: 2007-10-29 14:29:03.314
Finished: 2007-10-29 14:29:08.121
Elapsed: 0 hr(s) 0 min(s) 4 sec(s) 807 ms
Total Warnings: 101
Total Errors: 0
No. of SeqIDs Defined: 101
Actual SeqID Count: 101

Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (1)
W 402	Undefined organism found in <213> in SEQ ID (2)
W 402	Undefined organism found in <213> in SEQ ID (3)
W 402	Undefined organism found in <213> in SEQ ID (4)
W 402	Undefined organism found in <213> in SEQ ID (5)
W 402	Undefined organism found in <213> in SEQ ID (6)
W 402	Undefined organism found in <213> in SEQ ID (7)
W 402	Undefined organism found in <213> in SEQ ID (8)
W 402	Undefined organism found in <213> in SEQ ID (9)
W 402	Undefined organism found in <213> in SEQ ID (10)
W 402	Undefined organism found in <213> in SEQ ID (11)
W 402	Undefined organism found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (13)
W 402	Undefined organism found in <213> in SEQ ID (14)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (16)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (18)
W 402	Undefined organism found in <213> in SEQ ID (19)
W 402	Undefined organism found in <213> in SEQ ID (20)

Input Set:

Output Set:

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Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
W 213	Artificial or Unknown found in <213> in SEQ ID (100)
W 213	Artificial or Unknown found in <213> in SEQ ID (101)

<110> Van Der Vossen, Edwin
Allefs, Josephus
Muskens, Marina

caa gag gtt gag aat ctg ctt caa cca att ttg gat gat gat ggc aaa 288

Gln Glu Val Glu Asn Leu Leu Gln Pro Ile Leu Asp Asp Asp Gly Lys	
85 90 95	
gac gtc ggg tgt aaa tat gtc ctt act agc ctc gcc ggt aat atg gat	336
Asp Val Gly Cys Lys Tyr Val Leu Thr Ser Leu Ala Gly Asn Met Asp	
100 105 110	
gac tgt ata agc ttg tat cat cgt tct aaa tca gat gcc acc atg atg	384
Asp Cys Ile Ser Leu Tyr His Arg Ser Lys Ser Asp Ala Thr Met Met	
115 120 125	
gat gag caa ttg ggc ttc ctc ctc ttg aat ctc tct cat cta tcc aag	432
Asp Glu Gln Leu Gly Phe Leu Leu Leu Asn Leu Ser His Leu Ser Lys	
130 135 140	
cat cgt gct gaa aag atg ttt cct gga gtg act caa tat gag gtt ctt	480
His Arg Ala Glu Lys Met Phe Pro Gly Val Thr Gln Tyr Glu Val Leu	
145 150 155 160	
cag aat gta tgt ggc aac ata aga gat ttc cat gga ttg ata gtg aat	528
Gln Asn Val Cys Gly Asn Ile Arg Asp Phe His Gly Leu Ile Val Asn	
165 170 175	
tgt tgc att aag cat gag atg gtt gag aat gtc tta tct ctg ttt caa	576
Cys Cys Ile Lys His Glu Met Val Glu Asn Val Leu Ser Leu Phe Gln	
180 185 190	
ctg atg gct gag aga gta gga cgc ttc ctt tgg gag gat cag gct gat	624
Leu Met Ala Glu Arg Val Gly Arg Phe Leu Trp Glu Asp Gln Ala Asp	
195 200 205	
gaa gac tct caa ctc tcc gag cta gat gag gat gat cag aat gat aaa	672
Glu Asp Ser Gln Leu Ser Glu Leu Asp Glu Asp Asp Gln Asn Asp Lys	
210 215 220	
gac cct caa ctc ttc aag cta gca cat cta ctc ttg aag att gtt cca	720
Asp Pro Gln Leu Phe Lys Leu Ala His Leu Leu Leu Lys Ile Val Pro	
225 230 235 240	
act gaa ttg gag gtt atg cac ata tgt tat aaa act ttg aaa gct tca	768
Thr Glu Leu Glu Val Met His Ile Cys Tyr Lys Thr Leu Lys Ala Ser	
245 250 255	
act tca aca gaa att gga cgc ttc att aag aag ctc ctg gaa acc tct	816
Thr Ser Thr Glu Ile Gly Arg Phe Ile Lys Lys Leu Leu Glu Thr Ser	
260 265 270	
ccg gac att ctc aga gaa tat ctg att cat cta caa gag cat atg ata	864
Pro Asp Ile Leu Arg Glu Tyr Leu Ile His Leu Gln Glu His Met Ile	
275 280 285	
act gtt att acc cct aac act tca ggg gct cga aac att cat gtc atg	912
Thr Val Ile Thr Pro Asn Thr Ser Gly Ala Arg Asn Ile His Val Met	
290 295 300	
atg gaa ttc cta ttg att att ctt tct gat atg ccg ccc aag gac ttt	960
Met Glu Phe Leu Leu Ile Ile Leu Ser Asp Met Pro Pro Lys Asp Phe	

305	310	315	320	
att cat cat gac aaa ctt ttt gat ctc ttg gct cgt gtt gta gca ctt				1008
Ile His His Asp Lys Leu Phe Asp Leu Leu Ala Arg Val Val Ala Leu				
325		330	335	
acc agg gag gta tca act ctt gta cgc gac ttg gaa gag aaa tta agg				1056
Thr Arg Glu Val Ser Thr Leu Val Arg Asp Leu Glu Glu Lys Leu Arg				
340		345	350	
att aaa gag agt act gac gaa aca aat tgt gca acc cta aag ttt ctg				1104
Ile Lys Glu Ser Thr Asp Glu Thr Asn Cys Ala Thr Leu Lys Phe Leu				
355		360	365	
gaa aat att gaa ctc ctt aag gaa gat ctc aaa cat gtt tat ctg aaa				1152
Glu Asn Ile Glu Leu Leu Lys Glu Asp Leu Lys His Val Tyr Leu Lys				
370		375	380	
gtc ccg gat tca tct caa tat tgc ttc ccc atg agt gat gga cct ctc				1200
Val Pro Asp Ser Ser Gln Tyr Cys Phe Pro Met Ser Asp Gly Pro Leu				
385		395	400	
ttc atg cat ctg cta cag aga cac tta gat gat ttg ctg gat tcc aat				1248
Phe Met His Leu Leu Gln Arg His Leu Asp Asp Leu Leu Asp Ser Asn				
405		410	415	
gct tat tca att gct ttg ata aag gaa caa att ggg ctg gtg aaa gaa				1296
Ala Tyr Ser Ile Ala Leu Ile Lys Glu Gln Ile Gly Leu Val Lys Glu				
420		425	430	
gac ttg gaa ttc ata aga tct ttt ttc gcg aat att gag caa gga ttg				1344
Asp Leu Glu Phe Ile Arg Ser Phe Phe Ala Asn Ile Glu Gln Gly Leu				
435		440	445	
tat aaa gat ctc tgg gaa cgt gtt cta gat gtg gca tat gag gca aaa				1392
Tyr Lys Asp Leu Trp Glu Arg Val Leu Asp Val Ala Tyr Glu Ala Lys				
450		455	460	
gat gtc ata gat tca att att gtt cga gat aat ggt ctc tta cat ctt				1440
Asp Val Ile Asp Ser Ile Ile Val Arg Asp Asn Gly Leu Leu His Leu				
465		470	475	480
att ttc tca ctt ccc att acc aga aag aag atg atg ctt atc aaa gaa				1488
Ile Phe Ser Leu Pro Ile Thr Arg Lys Lys Met Met Leu Ile Lys Glu				
485		490	495	
gag gtc tct gat tta cat gag aac att tcc aag aac aga ggt ctc atc				1536
Glu Val Ser Asp Leu His Glu Asn Ile Ser Lys Asn Arg Gly Leu Ile				
500		505	510	
gtt gtg aac tct ccc aag aaa cca gtt gag agc aag tca ttg aca act				1584
Val Val Asn Ser Pro Lys Lys Pro Val Glu Ser Lys Ser Leu Thr Thr				
515		520	525	
gat aaa ata att gta ggt ttt ggt gag gag aca aac ttg ata ctt aga				1632
Asp Lys Ile Ile Val Gly Phe Gly Glu Glu Thr Asn Leu Ile Leu Arg				
530		535	540	

aag	ctc	acc	agt	gga	ccg	gca	gat	cta	gat	gtc	att	tcg	atc	att	ggg	1680
Lys	Leu	Thr	Ser	Gly	Pro	Ala	Asp	Leu	Asp	Val	Ile	Ser	Ile	Ile	Gly	
545					550					555					560	
atg	ccg	ggg	tta	ggg	aaa	act	act	ttg	gcg	tac	aaa	gta	tac	aat	gat	1728
Met	Pro	Gly	Leu	Gly	Lys	Thr	Thr	Leu	Ala	Tyr	Lys	Val	Tyr	Asn	Asp	
				565					570					575		
aaa	tca	gtt	tct	agc	cat	ttc	gac	ctt	cgt	gca	tgg	tgc	acg	gtc	gac	1776
Lys	Ser	Val	Ser	Ser	His	Phe	Asp	Leu	Arg	Ala	Trp	Cys	Thr	Val	Asp	
			580					585					590			
caa	gta	tat	gac	gag	aag	aag	ttg	ttg	gat	aaa	att	ttc	aat	caa	gtt	1824
Gln	Val	Tyr	Asp	Glu	Lys	Lys	Leu	Leu	Asp	Lys	Ile	Phe	Asn	Gln	Val	
		595					600					605				
agt	gac	tca	aat	tca	aaa	ttg	agt	gag	aat	att	gat	gtt	gct	gat	aaa	1872
Ser	Asp	Ser	Asn	Ser	Lys	Leu	Ser	Glu	Asn	Ile	Asp	Val	Ala	Asp	Lys	
	610					615				620						
cta	cgg	aaa	caa	ttg	ttt	gga	aag	agg	tat	ctt	att	gtc	tta	gat	gac	1920
Leu	Arg	Lys	Gln	Leu	Phe	Gly	Lys	Arg	Tyr	Leu	Ile	Val	Leu	Asp	Asp	
625				630						635					640	
gtg	tgg	gat	act	aat	aca	tgg	gat	gag	cta	aca	aga	cct	ttt	cct	gat	1968
Val	Trp	Asp	Thr	Asn	Thr	Trp	Asp	Glu	Leu	Thr	Arg	Pro	Phe	Pro	Asp	
			645						650				655			
ggg	atg	aaa	gga	agt	aga	att	att	ttg	aca	act	cga	gaa	aag	aaa	gtt	2016
Gly	Met	Lys	Gly	Ser	Arg	Ile	Ile	Leu	Thr	Thr	Arg	Glu	Lys	Lys	Val	
		660						665				670				
gct	ttg	cat	gga	aag	ctc	tac	act	gat	cct	ctt	aac	ctt	cga	ttg	cta	2064
Ala	Leu	His	Gly	Lys	Leu	Tyr	Thr	Asp	Pro	Leu	Asn	Leu	Arg	Leu	Leu	
		675					680					685				
aga	tca	gaa	gaa	agt	tgg	gag	tta	tta	gag	aaa	agg	gca	ttt	gga	aac	2112
Arg	Ser	Glu	Glu	Ser	Trp	Glu	Leu	Leu	Glu	Lys	Arg	Ala	Phe	Gly	Asn	
	690					695				700						
gag	agt	tgc	cct	gat	gaa	cta	ttg	gat	gtt	ggg	aaa	gaa	ata	gcc	gaa	2160
Glu	Ser	Cys	Pro	Asp	Glu	Leu	Leu	Asp	Val	Gly	Lys	Glu	Ile	Ala	Glu	
705				710					715						720	
aat	tgt	aaa	ggg	ctt	cct	ttg	gtg	gtg	gat	ctg	att	gct	gga	atc	att	2208
Asn	Cys	Lys	Gly	Leu	Pro	Leu	Val	Val	Asp	Leu	Ile	Ala	Gly	Ile	Ile	
		725						730					735			
gct	ggg	agg	gaa	aag	aaa	aag	agt	gtg	tgg	ctt	gaa	gtt	gta	aat	aat	2256
Ala	Gly	Arg	Glu	Lys	Lys	Lys	Ser	Val	Trp	Leu	Glu	Val	Val	Asn	Asn	
		740						745					750			
ttg	cat	tcc	ttt	att	ttg	aag	aat	gaa								

gaa ata agt tat gac cac tta cct gat cac ctg aag cca tgc ttg ctg	2352
Glu Ile Ser Tyr Asp His Leu Pro Asp His Leu Lys Pro Cys Leu Leu	
770 775 780	
tac ttt gca agt gcg ccg aag gac tgg gta acg aca atc cat gag ttg	2400
Tyr Phe Ala Ser Ala Pro Lys Asp Trp Val Thr Thr Ile His Glu Leu	
785 790 795 800	
aaa ctt att tgg ggt ttt gaa gga ttt gtg gaa aag aca gat atg aag	2448
Lys Leu Ile Trp Gly Phe Glu Gly Phe Val Glu Lys Thr Asp Met Lys	
805 810 815	
agt ctg gaa gaa gtg gtg aaa att tat ttg gat gat tta att tcc agt	2496
Ser Leu Glu Glu Val Val Lys Ile Tyr Leu Asp Asp Leu Ile Ser Ser	
820 825 830	
agc ttg gta att tgt ttc aat gag ata ggt gat tac cct act tgc caa	2544
Ser Leu Val Ile Cys Phe Asn Glu Ile Gly Asp Tyr Pro Thr Cys Gln	
835 840 845	
ctt cat gat ctt gtg cat gac ttt tgt ttg ata aaa gca aga aag gaa	2592
Leu His Asp Leu Val His Asp Phe Cys Leu Ile Lys Ala Arg Lys Glu	
850 855 860	
aag ttg tgt gat cgg ata agt tca agt gct cca tca gat ttg ttg cca	2640
Lys Leu Cys Asp Arg Ile Ser Ser Ser Ala Pro Ser Asp Leu Leu Pro	
865 870 875 880	
cgt caa att agc att gat tat gat gat gat gaa gag cac ttt ggg ctt	2688
Arg Gln Ile Ser Ile Asp Tyr Asp Asp Asp Glu Glu His Phe Gly Leu	
885 890 895	
aat ttt gtc ctg ttc ggt tca aat aag aaa agg cat tcc ggt aaa cac	2736
Asn Phe Val Leu Phe Gly Ser Asn Lys Lys Arg His Ser Gly Lys His	
900 905 910	
ctc tat tct ttg acc ata aat gga gat gag ctg gac gac cat ctt tct	2784
Leu Tyr Ser Leu Thr Ile Asn Gly Asp Glu Leu Asp Asp His Leu Ser	
915 920 925	
gat aca ttt cat cta aga cac ttg agg ctt ctt aga acc ttg cac ctg	2832
Asp Thr Phe His Leu Arg His Leu Arg Leu Leu Arg Thr Leu His Leu	
930 935 940	
gaa tcc tct ttt atc atg gtt aaa gat tct ttg ctg aat gaa ata tgc	2880
Glu Ser Ser Phe Ile Met Val Lys Asp Ser Leu Leu Asn Glu Ile Cys	
945 950 955 960	
atg ttg aat cat ttg agg tac tta agc att ggg aca gaa gtt aaa tct	2928
Met Leu Asn His Leu Arg Tyr Leu Ser Ile Gly Thr Glu Val Lys Ser	
965 970 975	
ctg cct ttg tct ttc tca aac ctc tgg aat cta gaa atc ttg ttt gtg	2976
Leu Pro Leu Ser Phe Ser Asn Leu Trp Asn Leu Glu Ile Leu Phe Val	
980 985 990	
gat aac aaa gaa tca acc ttg ata cta tta ccg aga att tgg gat ctt	3024

Asp Asn Lys Glu Ser Thr Leu Ile	Leu Leu Pro Arg Ile	Trp Asp Leu	
995	1000	1005	
gta aag ttg caa gtg ctg ttc	acg act gct tgt tct	ttc ttt gat	3069
Val Lys Leu Gln Val Leu Phe	Thr Thr Ala Cys Ser	Phe Phe Asp	
1010	1015	1020	
atg gat gca gat gaa tca ata	ctg ata gca gag gac	aca aag tta	3114
Met Asp Ala Asp Glu Ser Ile	Leu Ile Ala Glu Asp	Thr Lys Leu	
1025	1030	1035	
gag aac ttg aca gca tta ggg	gaa ctc gtg ctt tcc	tat tgg aaa	3159
Glu Asn Leu Thr Ala Leu Gly	Glu Leu Val Leu Ser	Tyr Trp Lys	
1040	1045	1050	
gat aca gag gat att ttc aaa	agg ctt ccc aat ctt	caa gtg ctt	3204
Asp Thr Glu Asp Ile Phe Lys	Arg Leu Pro Asn Leu	Gln Val Leu	
1055	1060	1065	
cat ttc aaa ctc aag gag tca	tgg gat tat tca aca	gag caa tat	3249
His Phe Lys Leu Lys Glu Ser	Trp Asp Tyr Ser Thr	Glu Gln Tyr	
1070	1075	1080	
tgg ttc ccg aaa ttg gat ttc	cta act gaa cta gaa	aaa ctc act	3294
Trp Phe Pro Lys Leu Asp Phe	Leu Thr Glu Leu Glu	Lys Leu Thr	
1085	1090	1095	
gta gat ttt gaa aga tca aac	aca aat gac agt ggg	tcc tct gca	3339
Val Asp Phe Glu Arg Ser Asn	Thr Asn Asp Ser Gly	Ser Ser Ala	
1100	1105	1110	
gcc ata aat cgg cca tgg gat	ttt cac ttt cct tcg	agt ttg aaa	3384
Ala Ile Asn Arg Pro Trp Asp	Phe His Phe Pro Ser	Ser Leu Lys	
1115	1120	1125	
aga ttg caa ttg cat gaa ttt	cct ctg aca tcc gat	tca cta tca	3429
Arg Leu Gln Leu His Glu Phe	Pro Leu Thr Ser Asp	Ser Leu Ser	
1130	1135	1140	
aca ata gcg aga ctg ctg aac	ctt gaa gag ttg tac	ctt tat cgt	3474
Thr Ile Ala Arg Leu Leu Asn	Leu Glu Glu Leu Tyr	Leu Tyr Arg	
1145	1150	1155	
aca atc atc cat ggg gaa gaa	tgg aac atg gga gaa	gaa gac acc	3519
Thr Ile Ile His Gly Glu Glu	Trp Asn Met Gly Glu	Glu Asp Thr	
1160	1165	1170	
ttt gag aat ctc aaa tgt ttg	atg ttg agt caa gtg	att ctt tcc	3564
Phe Glu Asn Leu Lys Cys Leu	Met Leu Ser Gln Val	Ile Leu Ser	
1175	1180	1185	
aag tgg gag gtt gga gag gaa	tct ttt ccc acg ctt	gag aaa tta	3609
Lys Trp Glu Val Gly Glu Glu	Ser Phe Pro Thr Leu	Glu Lys Leu	
1190	1195	1200	
gaa ctg tcg gac tgt cat aat	ctt gag gag att ccg	tct agt ttt	3654
Glu Leu Ser Asp Cys His Asn	Leu Glu Glu Ile Pro	Ser Ser Phe	

1205

1210

1215

ggg gat att tat tcc ttg aaa att atc ga